

National Aeronautics and  
Space Administration  
Goddard Space Flight Center

# Inside Wallops

Wallops Flight Facility, Wallops Island, Virginia

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## ***Bruner Appointed Wallops 2000 Manager***

Judith N. Bruner has been appointed Wallops 2000 Manager for the Goddard Space Flight Center.

In this new position, Bruner will be responsible for leading Centerwide efforts to carry out the Wallops Flight Facility mission as a national resource for providing low-cost integration, launch, and operation of suborbital and small orbital payloads.

Bruner will lead the finalization and manage the implementation of the Wallops Mission 2000 Plan and ensure the enhanced integration of WFF activities and initiatives with related or complementary efforts at Greenbelt.

"Ms. Bruner will manage the implementation of the Wallops Mission 2000 plan to develop the facility as the Center of Excellence for scientific payload integration and operational support," said Joseph Rothenberg, Goddard Center Director. Rothenberg said Bruner will provide the Centerwide leadership for Wallops Mission 2000 and will represent the Center to strategic partners such as the U.S. Navy, the Virginia Commercial Space Flight Authority, and a wide range of representatives from NASA Headquarters, other NASA Centers, other Federal agencies, and the aerospace and education communities.

The Wallops Mission 2000 effort is aimed at making Wallops a unique national resource for providing low-cost integration, launch and operations of suborbital and small orbital payloads. The Mission 2000 plan calls for Wallops to privatize NASA's sounding rocket program and to support development of a commercial spaceport on the south end of Wallops Island.

The long-term mission for the facility also will include:

- integration, launch readiness and operational support for Space Shuttle attached and Spartan payloads;
- integration and operational support for Earth and space science payloads for the planned Space Station Spartan co-orbiting platforms;
- creation of an Advanced Long Duration Ballooning capability;
- management and technical support of University Class Explorer missions;
- test support for the development of the Bantam Lifter Launch Vehicle; and continued managed of the sounding rocket and balloon programs.

Prior to this appointment, Bruner served as Head, Data Processing Systems Branch and Head, Spacecraft Control Systems Branch at Goddard, where she has been responsible for the development and implementation of ground data handling systems and mission operations control centers for the operation of Goddard science missions such as Compton Gamma Ray Observatory and Extreme Ultraviolet Explorer. She came to Goddard in 1989 following eight years with Unisys Corporation as a Project Manager for the PORTS Contract supporting Hubble Space Telescope.

In addition, Bruner holds the rank of Captain in the U.S. Naval Reserve. She received a bachelor of science degree in computer science from Ohio State University in 1970 and a masters in engineering management from George Washington University in 1994.

## ***Web Sites of Interest***

The latest information on Project Goddard and Wallops Mission 2000 can be found at:  
<http://www.wff.nasa.gov/~web/MEETING/>

The sounding rocket refocusing effort draft Request for Proposals (RFP) was issued on June 19 and can be found at:  
<http://procurement.nasa.gov/EPS/GSFC/class.html>

## ***Researchers Develop 'Food-Grade' Anti-icing Fluid***

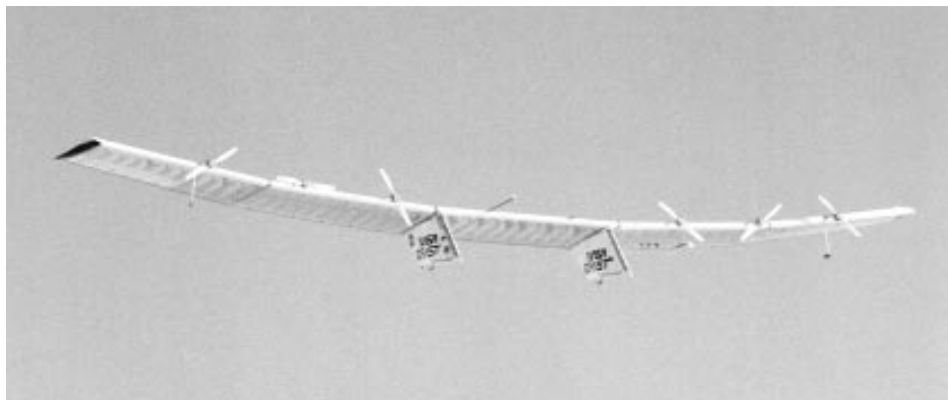
Combining increased efficiency with environmental safety, a NASA developed fluid promises to make flying safer without introducing chemicals into the environment and also may reduce corrosion on cars.

A three-engineer team at Ames Research Center designed the non-toxic fluid to keep ice from building up on airplanes. It is so environmentally safe that it has been referred to as "food grade," because the ingredients used in its creation have been approved by the Food and Drug Administration for use in food. When used in bulk, the NASA de-icer poses significantly less of an environmental hazard than chemicals currently in use.

"The food grade anti-icing fluid not only works as well as, or better than available fluids, but it is the only one that is non-toxic and totally biodegradable," said fluid co-inventor Leonard Haslim. The invention also may save money now being spent to meet the Clean Water Act, he added. "The fluid can be put on runways, bridges, ships and automobiles, as well."

"When you look at the high costs of rust and other salt damage to cars, bridges, roads and the environment, it's obvious that using this new anti-icing fluid can save a lot of money," Haslim said. "You can even spray the stuff on your windshield the night before you go to work, and the next morning, the wiper blades will easily push the ice completely off the glass," he said.

The Ames fluid is now under test by government and industry for aircraft use. Comparison tests will be run against corrosive de-icing salts as well as other de-icing materials, such as calcium magnesium acetate.



*The Pathfinder, a remotely piloted aircraft, set a new world record June 9 for high-altitude flight for solar-powered aircraft flying to an altitude of 67,350 feet at the Pacific Missile Range Facility, Kauai, HI. The study of solar-powered, remotely piloted aircraft could lead to revolutionary technologies to conduct low-cost, high-altitude atmospheric and remote sensing studies.*



### **Evander Holyfield vs Mike Tyson**

**Building F-3. Doors open at  
8 p.m. on June 28.**

**\$3 advance \$5 at the door.  
For tickets call Bob Tittle,  
x1244**

### **Barbecue Basics**

Some helpful hints could help make  
barbecuing safe for everyone.

Prevent burns and protect clothing  
with a heavy apron and pot-holder  
type gloves. Use long-handled tongs,  
turners, forks, pastry brushes, and  
other tools used for barbecuing.

**Never move a barbecue  
grill into a ... closed  
area... within minutes,  
smoldering charcoal can  
build up lethal  
concentrations of carbon  
monoxide.**

The grill should be sturdy and never  
use in a confined area. Also, never  
use flammable fluids or a cigarette  
lighter to start a charcoal fire.

Never leave a "hot" grill unattended.  
Keep a squirt bottle of water handy  
to handle sudden flare-ups. When  
finished, cover the grill and close the  
vents allowing the coals sufficient  
time to cool. Discard ashes in a metal  
container.

#### **Gas grilling**

- Follow instructions that accompany  
the grill.

- For routine maintenance, take the  
burner out and clean the tubes with a  
bristle brush. Use a paper clip to  
unclog holes where rust or grease  
may have accumulated.

- Have the tank filled by a reputable  
propane dealer.

- Check for leaks before connecting  
the tank by applying a mixture of  
dish detergent and water to all fittings.  
If bubbles appear at the connections,  
tighten and test again. If you smell  
propane gas or hear a hissing sound,  
turn off the cylinder valve.

- Open the hood completely before  
lighting the grill.



### **Wallops Annual 4th of July Picnic**

**11 a.m. to 5 p.m.  
at the ballpark picnic area**

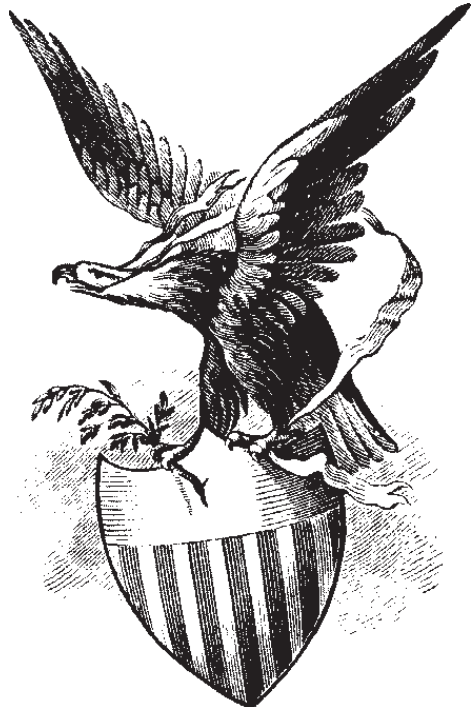
**Music by  
Margot's New Band  
(noon to 4 p.m.)**

**Mr. Bill and Friends  
appearing throughout  
the day**

**Volleyball                      Baseball  
Horseshoes                  Water Slide  
Children's Games      Hay Ride**

**Hamburgers                  Hot Dogs  
Corn on the Cob      Beverages  
Will be provided but bring a  
covered dish.**

**Donations: Adults - \$2  
Children under 12 - \$1  
Family                      - \$5**



**For further information or to  
volunteer, call Gerry McIntire  
x1889 or Bev Hall x1714**

### **Blood Drive is a Success**

The Blood Bank of the Eastern  
Shore Blood Drive held on June 17  
was highly successfully.

According to Linda Layton, Wallops  
coordinator, 99 pints of blood were  
donated. Although some could not  
donate, 119 employees participated in  
the blood drive.

Robin Griffin, CSC, assisted with  
scheduling and check-ins. Layton  
extends a special thanks to all those  
who donated blood and helped make  
this yearly event successful.

### **NASA Awards Presented**

Congratulations to H. Ray Stanley  
and David L. Pierce, who received  
NASA Awards at a ceremony held  
June 20 at Goddard Space Flight  
Center.

Stanley and Pierce, External Affairs  
Office, were both awarded the NASA  
Exceptional Service Medal.

### **Celebrating the 4th Annual INTERNATIONAL LUNCHEON in honor of INTERNATIONAL DAY**

**June 24, 1997  
Building F-3, Starting at  
11:30 a.m.**

Admission: One covered dish containing  
food of any nationality.

For more information or to register  
your dish, contact one of the  
following: Sandra Banks x2526,  
Linda Thompson x1072, Nichole  
Turner x1418 or Roland Wescott  
x1624.

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